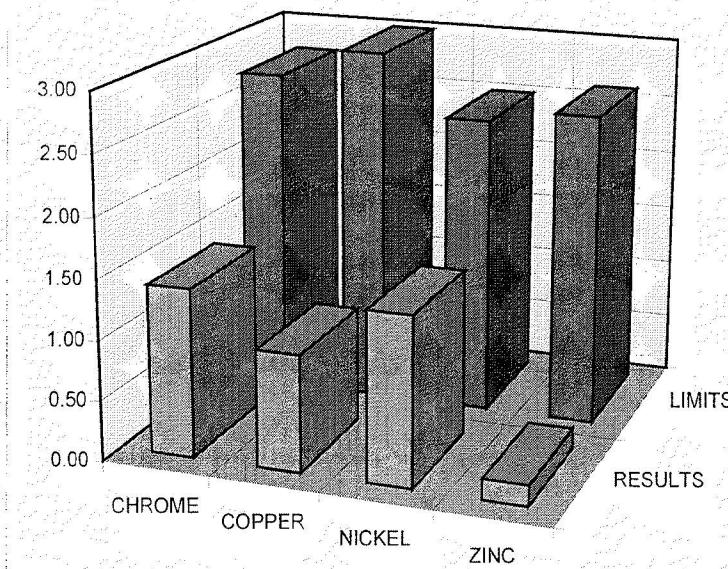
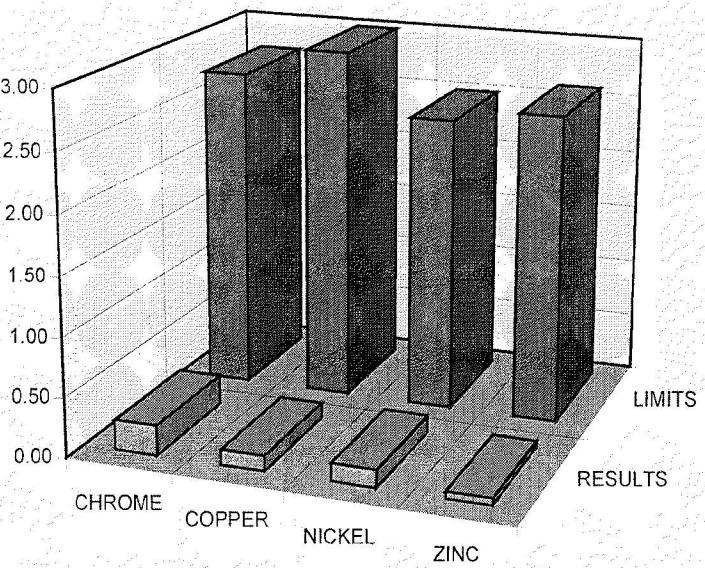


NOVEMBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
NOVEMBER 9, 2000
COMPOSITE M64798



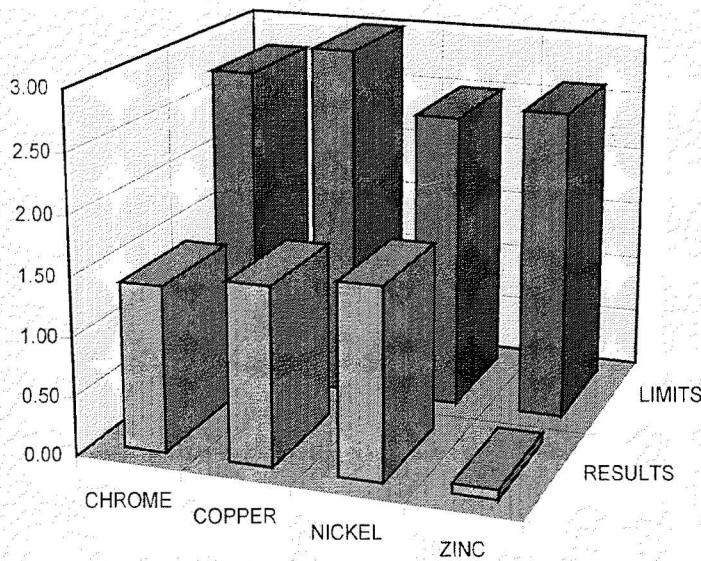
ALASKAN COPPER WORKS
3200 FACILITY
NOVEMBER 14, 2000
COMPOSITE M64824

VISUAL REPRESENTATION OF THE LAB RESULTS

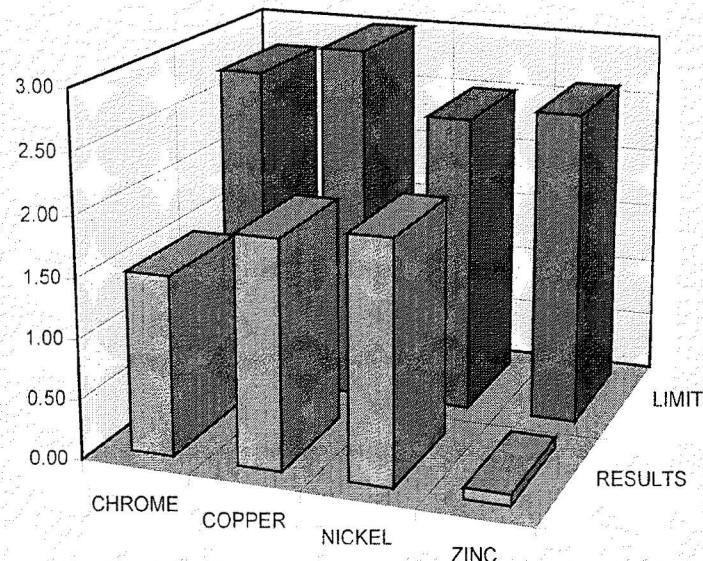
	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.40	0.97	1.40	0.17
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.25	0.13	0.15	0.06
LIMITS	2.75	3.00	2.50	2.61

NOVEMBER
METRO LIMITS



ALASKAN COPPER WORKS
3200 FACILITY
NOVEMBER 17, 2000
METRO K.C.COMPOSITE M83951



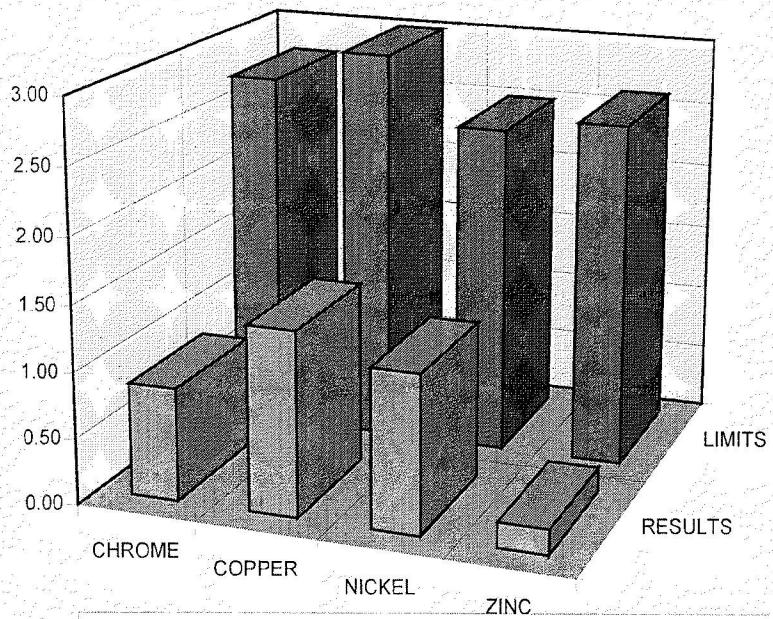
ALASKAN COPPER WORKS
3200 FACILITY
NOVEMBER 22, 2000
COMPOSITE M64857

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.40	1.50	1.60	0.08
LIMITS	2.75	3.00	2.50	2.61

	CHROME	COPPER	NICKEL	ZINC
RESULTS	1.50	1.90	2.00	0.09
LIMITS	2.75	3.00	2.50	2.61

**NOVEMBER
METRO LIMITS**



ALASKAN COPPER WORKS

3200 FACILITY

NOVEMBER 30, 2000

COMPOSITE M64896

VISUAL REPRESENTATION OF THE LAB RESULTS

	CHROME	COPPER	NICKEL	ZINC
RESULTS	0.86	1.40	1.20	0.19
LIMITS	2.75	3.00	2.50	2.61



KING COUNTY
Department of Natural Resources

Waste Discharge Self-Monitoring Report

Mail or fax to: King County Industrial Waste
130 Nickerson St., Suite 200
Seattle, WA 98109-1658
Phone (206) 263-3000 / FAX (206) 263-3001

Company Name ALASKAN COPPER WORKS
Sample Site No. A4010

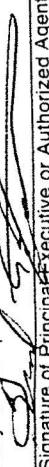
Month NOVEMBER 2000 No. of Employees (per day) Average _____ Maximum _____
Permit/DA No. 7238 All units mg/l unless otherwise noted Industry Type _____

Sample Date (circle)	Sample Type C (composite) or G (grab)	pH		Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide, CN A	Cyanide, CN T	Other Parameters	✓ check maximum	Flow (GPD) Industrial	Notes (Indicate Batch Discharges)
		Min	Max														
1		10.1	10.2													1881	
2		10.2	10.2													1869	
3		9.9	10.2													2858	
4		9.6	10.2													2228	
5		—	—														
6		10.1	10.2													2046	
7		10.1	10.2													1649	
8		9.7	10.1													2666	
⑨	C	10.2	10.2	1.4	.97			1.4		.17						1745	
10		10.1	10.2													2195	
11		10.1	10.3													2532	
12		—	—														
13		10.1	10.3													1987	
⑯	C	9.9	10.3	.25	.13			.15		.06						1320	
15		10.0	10.0													1527	
16		9.9	10.2													1325	
⑯	C	10.4	10.5	1.4	1.5			1.6		.08						1746	
18		—	—														
19		—	—														
20		10.1	10.3													2005	
21		10.4	10.6													1688	
㉑	C	10.5	10.5	1.5	1.9			2.0		.09					J	2980	
23		—	—														
24		—	—														
25		—	—														
26		—	—														
27		9.6	9.7													1070	
28		9.6	9.7													206	
29		9.4	10.0													1850	
㉙		10.0	10.8	1.86	1.4			1.2		.19						2233	
31		—	—														
Monthly Minimum		9.4														206	
Monthly Maximum		10.8														2980	
Average		10.1														41,606	Total Monthly Flow (Gallons)

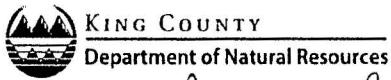
Please circle all permit violations

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent



Date



Waste Discharge Self-Monitoring Report

Mail or fax to: King County Industrial Waste
130 Nickerson St., Suite 200
Seattle, WA 98109-1658
Phone (206) 263-3000 / FAX (206) 263-3001

Company Name ALASKAN COPPER WORKS Month NOVEMBER 20 00 No. of Employees (per day) Average _____ Maximum _____
Sample Site No. A 4009 Permit/DA No. 7201 All units mg/l unless otherwise noted Industry Type _____

Sample Date (circle)	Sample Type C (composite) or G (grab)	pH		Cadmium, Cd	Chromium, Cr	Copper, Cu	Lead, Pb	Mercury, Hg	Nickel, Ni	Silver, Ag	Zinc, Zn	Cyanide, CN, A	Cyanide, CN, T	Fats, Oils and Grease (FOG)	Total Toxic Organics (TTO)	Other Parameters	✓ check maximum	Flow (GPD) Industrial	Notes (Indicate Batch Discharges)	
		Min	Max																	
1																				
2																				
3																				
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28																				
29																				
30																				
31																				
Monthly Minimum																				
Monthly Maximum																				
Average																				
																		Total Monthly Flow (Gallons)		

Please circle all permit violations

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent

2-15-02

M 64896

~~H83~~

Cr 0.86

Cu 1.4

Ni 1.2

Zn 0.19

M 64857

~~H54~~

1.5

1.9

2.0

0.09

EF, DWG NO. 500-0007 REV. A 1594

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/D#)

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/D#)

SUN	MON	TUE	WED	THU	FRI	SAT	DAY	TIME	CAUSTIC LEVEL	FLOC. LEVEL	pH READING	pH PAPER	FLOWMETER	CYCLES	TEMP F°		REVETMENT			COMMENTS, PROBLEMS, & REMARKS (W/0#)	
							DATE	DATE	PROCESS MONITOR	OUTPUT MONITOR	PROCESS MONITOR	OUTPUT MONITOR	LARGE TANK	SMALL TANK	OAKITE TANK	LARGE RINSE	LARGE ACID	SMALL TANKS			
SUNDAY	11-11	11-12	11-13	11-14	11-15	11-16	11-6	7 AM	1.3	6	9.78	10.14	—	—	2228	95	119	127	101	Forced to Reset flow	
							11-7	3 PM	20.8	18	9.93	10.13	—	—	567	23	128	123	130		
							11-8	11PM	20.0	15	10.41	10.23	—	—	1666	63	119	123	130		
MONDAY	11-12	11-13	11-14	11-15	11-16	11-17	11-6	7 AM	19.5	14	10.08	10.21	—	—	2046	95	123	120	108	Forced to Reset flow	
							11-7	3 PM	18.5	12	11.29	10.07	—	—	816	36	122	125	98		
							11-8	11PM	18.2	10	12.06	10.19	—	—	1649	73	125	122	92		
TUESDAY	11-13	11-14	11-15	11-16	11-17	11-18	11-7	7 AM	16.9	10	9.57	9.74	—	—	1649	102	120	121	104	Forced to Reset flow	
							11-8	3 PM	15.9	7	9.82	10.13	—	—	1104	42	121	124	127		
							11-9	11PM	15.1	3	10.32	10.18	—	—	2331	77	121	121	125		
WEDNESDAY	11-14	11-15	11-16	11-17	11-18	11-19	11-8	7 AM	13.5	15	9.64	10.24	—	—	2666	140	121	121	127	Forced to Reset flow	
							11-9	3 PM													
							11-10	11PM	11.7	8	9.86	10.21	—	—	1546	77	122	121	129		
THURSDAY	11-15	11-16	11-17	11-18	11-19	11-20	11-9	7 AM	11.2	7	10.63	10.14	—	—	1745	101	120	121	121	Forced to Reset flow	
							11-10	3 PM	10.6	18	10.01	10.11	—	—	1095	39	121	123	130		
							11-11	11PM	9.6	14	10.01	10.22	—	—	2095	69	121	123	130		
FRIDAY	11-16	11-17	11-18	11-19	11-20	11-21	11-10	7 AM	4.30	9.6	116	9.92	10.19	—	—	2195	78	120	118	108	Forced to Reset flow
							11-11	3 PM	1.00	8.8	13	11.53	10.28	—	—	5307	36	118	122	130	
							11-12	11PM	9.00	7.3	8	9.87	10.34	—	—	4227	104	124	127	128	

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/D#)

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/D#)

DAILY LOG

COMMENTS, PROBLEMS, & REMARKS (W/D#)

Date Extracted: 11/15/00
Date Analyzed: 11/15/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**
Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M64824 011080-01	0.25	0.13	0.15	0.06
Method Blank	<0.05	<0.05	<0.05	<0.05

DRAFT

Date Extracted: 11/15/00
Date Analyzed: 11/15/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**
Results Reported as mg/L (ppm)

<u>Sample ID</u> <u>Laboratory ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M64798 011065-01	1.4	0.97	1.4	0.17
Method Blank	<0.05	<0.05	<0.05	<0.05

DRAFT